

Listing of Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Claim 1 (Currently amended): A membrane material for fabric structures having enhanced reversible thermal properties, said membrane material comprising a basic woven fabric which is coated at least on one side with a polymeric compound comprising consisting of an elastomeric material characterized in that the elastomeric contains a cross-linking agent containing a and finely divided phase change materials which is mixed into a liquid component of the elastomeric material while the phase change material is in a liquid stage whereby and that the finely divided phase change materials becomes are cross-linked with into the elastomeric material during curing structure.

Claim 2 (Cancelled)

Claim 3 (Previously presented): The membrane material according to claim 1, wherein the woven fabric is coated on both sides with the polymeric compound.

Claim 4 (Previously presented): The membrane material according to claim 1, wherein the woven fabric is coated on one side with the polymeric compound and no coating is applied to the other side of the fabric.

Claim 5 (Previously presented): The membrane material according to claim 1, wherein the woven fabric is coated on one side with the polymeric compound and is coated on the other side with a second polymeric compound which does not contain any phase change material.

Claim 6 (Previously presented): The membrane material according to claim 1, wherein the phase change material is a crystalline alkyl hydrocarbon.

Claim 7 (Previously presented): The membrane material according to claim 1, wherein the phase change material is a salt hydrate.

Claim 8 (Previously presented): The membrane material according to claim 1, wherein the polymeric compound comprises a phase change material in a quantity of up to 60 wt.%, based on the total weight of the polymeric compound.

Claim 9 (Previously presented): The membrane material according to claim 1, wherein the phase change material has a melting point in the range between 30 °C and 50 °C.

Claim 10 (Previously presented): The membrane material according to claim 1, possessing a latent heat storage capacity of up to 150 kJ/m².

Claim 11 (Previously presented): The membrane material according to claim 1, wherein the polymeric compound contains flame-retarding additives.

Claim 12 (Previously presented): The membrane material according to claim 1, wherein translucency changes in connection with a phase transition of the phase change material.